

REF ID: A6512

~~SECURITY INFORMATION~~

REF ID: A6512

PROJECT NUMBER: 7-A

OPERATION CASTLE (SECRET)

404171

Log 53-680

Copy 8

R

~~REF ID: A6512~~ RESTRICTED DATA

Unauthorized disclosure subject to
penalty of criminal sanctions.
Administrative handling as required
to protect data in Foreign
Dissemination Section 144.b., Atomic
Energy Act 1954.

PROJECT NUMBER: 7-A

PROJECT TITLE: Seismic Measurements

SPONSOR: Headquarters USAF ORGANIZATION: AF-OAT-1

PROJECT OFFICER:

Mr. J. Allen Crocker
Headquarters USAF (AF-OAT-1)
Headquarters USAF
Office for Atomic Energy, DCS/O
AF-OAT-1
Washington 25, D. C.
Phone: Liberty 5-6700, Extension 61122

BEST COPY AVAILABLE

OBJECTIVE:

To gather additional seismic data particularly with reference to specific characteristics of signals received from newly designed test weapons, experimental nuclear explosions and with reference to the conditions under which they are detonated. These data are required to evaluate the significance of signals received in the Atomic Energy Detection System.

STATUS:

Future status of seismic operations in the AEDS is definitely dependent upon results from Operation IVY (Secret). Preliminary results on Operation IVY are sufficiently promising to justify further study of seismic waves from future atomic tests for the purpose of determining criteria for distinguishing between natural earthquakes and artificial explosions.

PROCEDURES:

Existing AF-OAT-1 seismic installations will be supplemented by temporary installations at selected ranges and the data accruing from this operation will be evaluated with the expectation that increased knowledge will extend the contribution of the seismic component in the AEDS.

SUPPORT REQUIRED:

No activity under this project is planned in the area defined as coming under the jurisdiction of the Task Force.

REF ID: A6512

REF ID: A6512

SECURITY INFORMATION

Encl 4

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	TERMINATION (CIRCLE NUMBER(S))
1ST REVIEWER DATE: 10/1/74	CLASSIFICATION CHANGED TO: F/R/D
AUTHORITY CLASSIFIED: 10/1/74	CLASSIFICATION CHANGED TO: INFO
NAME: M.L.	CONTAINS NO DDCI CLASSIFICATION
2ND REVIEWER DATE: 11/1/74	CLASSIFICATION CHANGED WITH: C
AUTHORITY CLASSIFIED: 10/1/74	CLASSIFICATION CANCELLED
NAME: P. Connor	CLASSIFIED INFO BY: [Signature]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	TERMINATION (CIRCLE NUMBER(S))
1ST REVIEWER DATE: 10/1/74	1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: F/R/D 3. CONTAINS NO DDCI CLASSIFICATION
AUTHORITY CLASSIFIED: 10/1/74	CLASSIFICATION CHANGED WITH: C
2ND REVIEWER DATE: 11/1/74	CLASSIFICATION CANCELLED
AUTHORITY CLASSIFIED: 10/1/74	CLASSIFIED INFO BY: [Signature]
NAME: P. Connor	OTHER (SPECIFY): [Signature] 10/3/94

~~SECURITY INFORMATION~~

a. Personnel: None

b. Instrumentation: None

c. On-Site Construction required from AMI Contractors: None

d. Air & Rail Transportation: None

e. Funds:

	R&D	Extra-Military
Total Estimated Cost	\$25,000	0
Funds Available	0	0
Test Agency Funds Required	\$25,000	0

~~SECURITY INFORMATION~~

~~SECRET~~

~~EXPIRES ACT OF 1960~~